

AMENDMENTS TO THE CLAIMS

Claims 1-3 (canceled)

4. (previously presented) An isolated gp20 polypeptide comprising the amino acid sequence of SEQ ID NO: 10 or a fragment of the amino acid sequence of SEQ ID NO: 10 wherein the fragment binds to a CD8 protein.

Claims 5-28 (canceled)

29. (currently amended) An immunogenic composition comprising a polypeptide of any one of claims [[1,]] 4, 57, 58 or 59.

Claims 30-38 (canceled)

39. (currently amended) A pharmaceutical composition comprising polypeptide of any one of claims [[1,]] 4, 57, 58 or 59.

Claims 40-56 (canceled)

57. (previously presented) An isolated HIV-1 gp120 polypeptide comprising an amino acid sequence encoded by a nucleotide sequence that hybridizes to the complement of the nucleotide sequence of SEQ ID NO: 9 under the following hybridization wash conditions: 0.015 M sodium chloride, 0.0015 M sodium citrate at 65-68°C, and

wherein the polypeptide binds to a CD8 protein.

58. (previously presented) The polypeptide of claim 57, wherein the polypeptide comprises an amino acid encoded by the nucleotide sequence of SEQ ID NO: 9.

59. (previously presented) An isolated HIV-1 gp120 polypeptide comprising an amino acid sequence of SEQ ID NO: 10 having at least one conservative substitution, wherein the polypeptide binds to CD8 protein.